Recombinant Human SENP2 Protein (D363-L589), His tagged

Cat. No. SENP2-0890H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 6His-TEV-GG-SENP2(D363-L589 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	D363-L589
Description	Protease that catalyzes two essential functions in the SUMO pathway. The first is the hydrolysis of an alpha-linked peptide bond at the C-terminal end of the small ubiquitin-like modifier (SUMO) propeptides, SUMO1, SUMO2 and SUMO3 leading to the mature form of the proteins. The second is the deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins, by cleaving an epsilon-linked peptide bond between the C-terminal glycine of the mature SUMO and the lysine epsilon-amino group of the target protein. May down-regulate CTNNB1 levels and thereby modulate the Wnt pathway. Deconjugates SUMO2 from MTA1. Plays a dynamic role in adipogenesis by desumoylating and promoting the stabilization of CEBPB. Acts as a regulator of the cGAS-STING pathway by catalyzing desumoylation of CGAS and STING1 during the late phase of viral infection.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein

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Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	SENP2 SUMO1/sentrin/SMT3 specific peptidase 2 [Homo sapiens (human)]
Official Symbol	SENP2
Synonyms	SENP2; SUMO1/sentrin/SMT3 specific peptidase 2; SUMO1/sentrin/SMT3 specific protease 2; sentrin-specific protease 2; AXAM2; DKFZp762A2316; KIAA1331; SMT3IP2; SMT3-specific isopeptidase 2; sentrin/SUMO-specific protease SENP2;
Gene ID	59343
mRNA Refseq	NM_021627
Protein Refseq	NP_067640
MIM	608261
UniProt ID	Q9HC62

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